

What is happening in California? The counts overall for the state of the G614 form were getting lower in our May 11 alignment, apparently contrary to the global patterns (A). Here is the breakdown at the county level available from our tracking mutations tool:

There are only a few California counties with multiple sequences available in our GISAID-based alignment.

The local epidemic in Santa Clara county has almost entirely the Wuhan-like D614 variant (B), and is so far was the most heavily sampled county in California in April, giving rise to the overall increase in D614 sampled.

San Francisco is mixed (C): mid-March was evenly divided between the D614 and G614 variant, but it is shifting in frequency to the G614 being more common in April samples, consistent with the global pattern.

San Diego (D) was next most frequently sampled county, and only had 7 sequences; 6/7 were the G614 variant.

